

FIG. 2

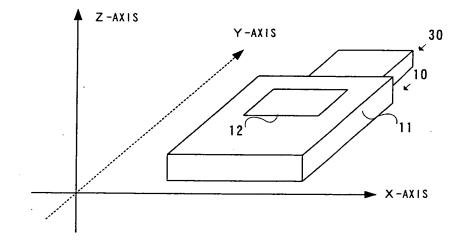


FIG. 3

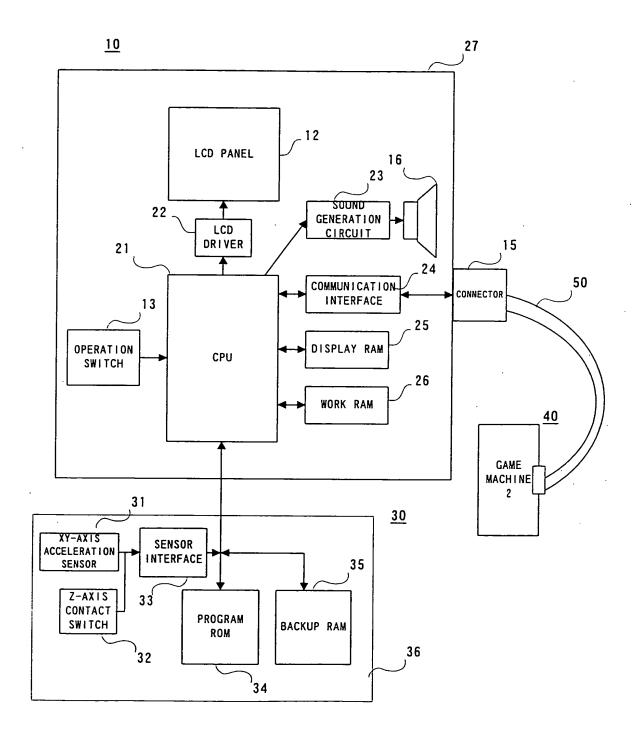


FIG. 4

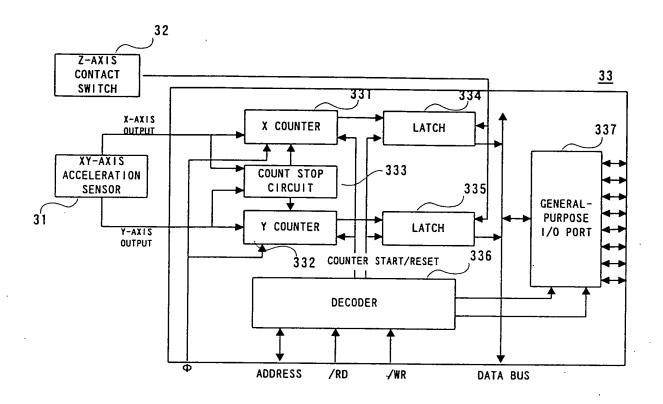


FIG. 5

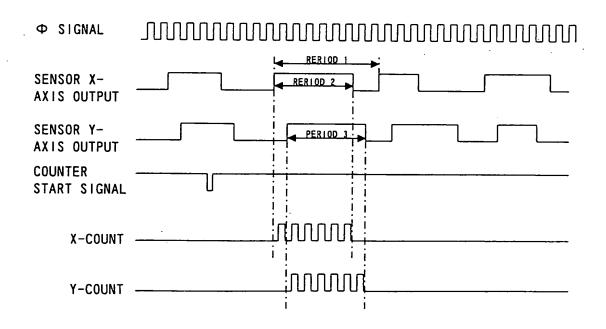
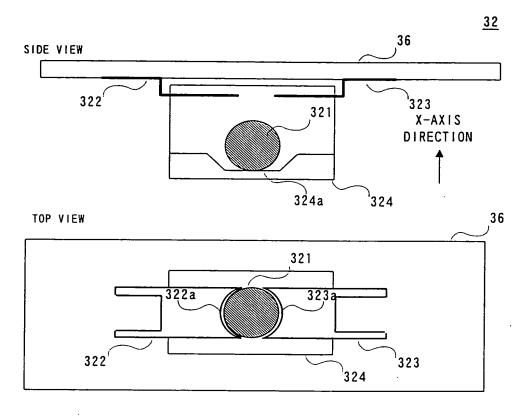


FIG.6



322 323 323 324

FIG.8

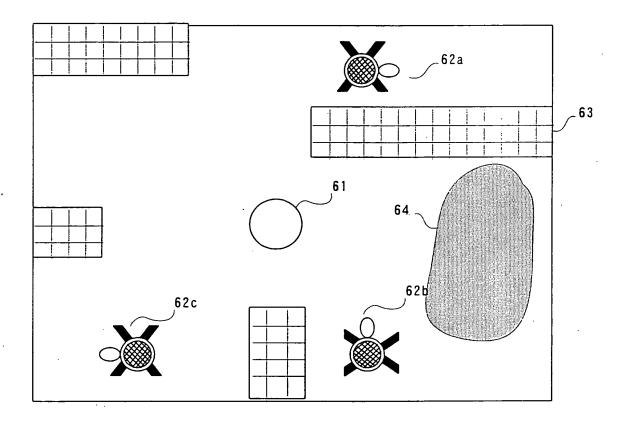


FIG. 9

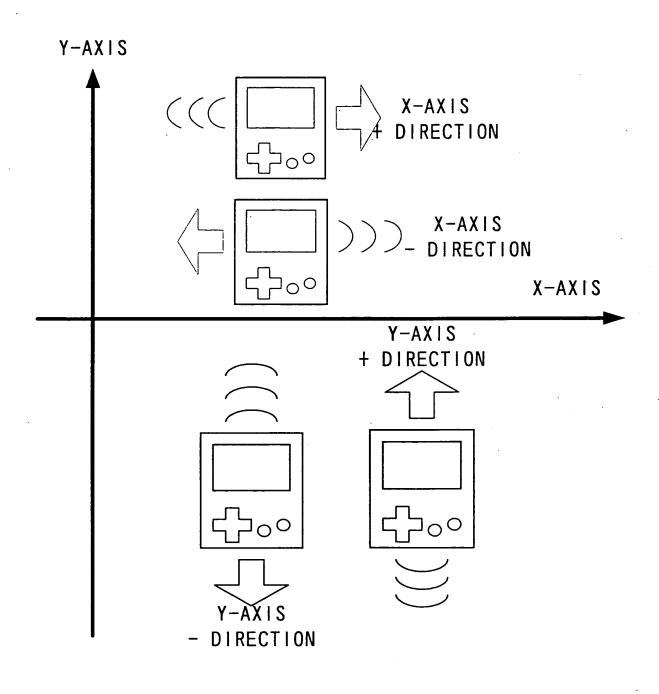


FIG. 10

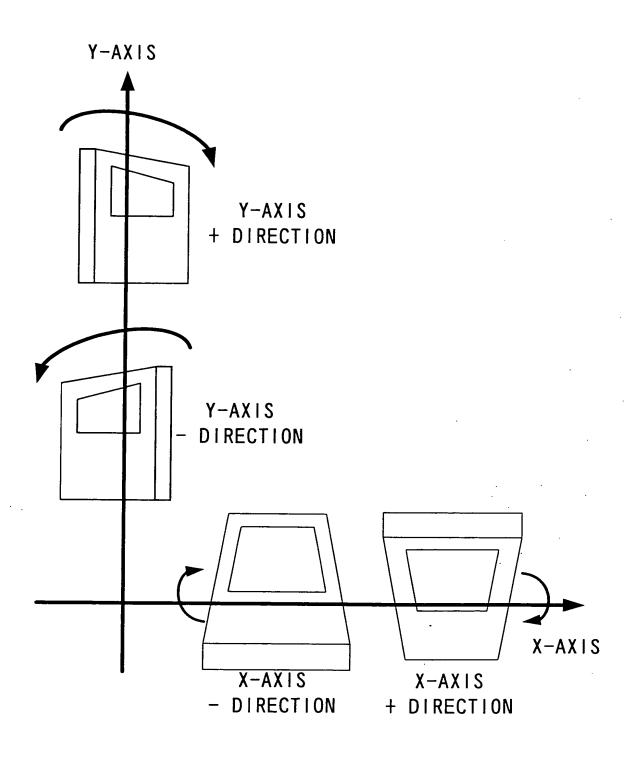


FIG. 11

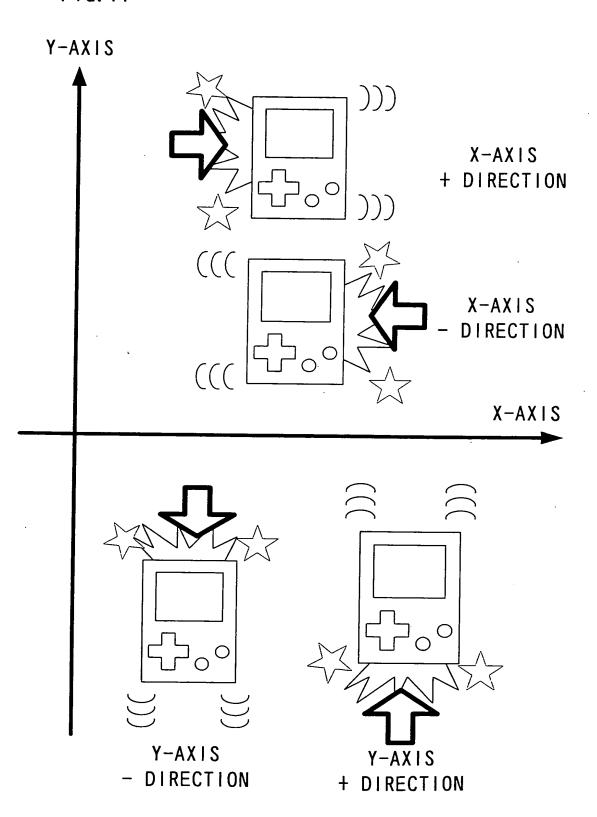


FIG. 12

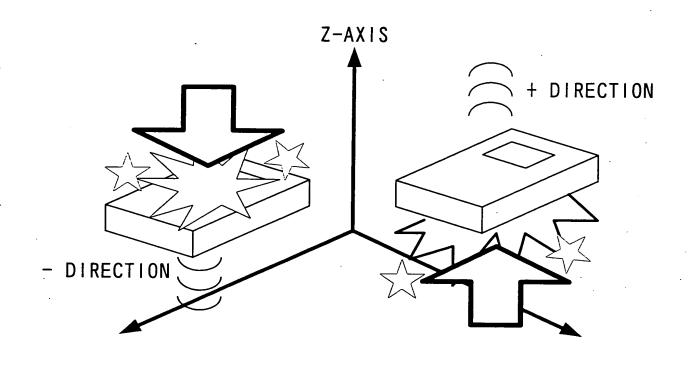
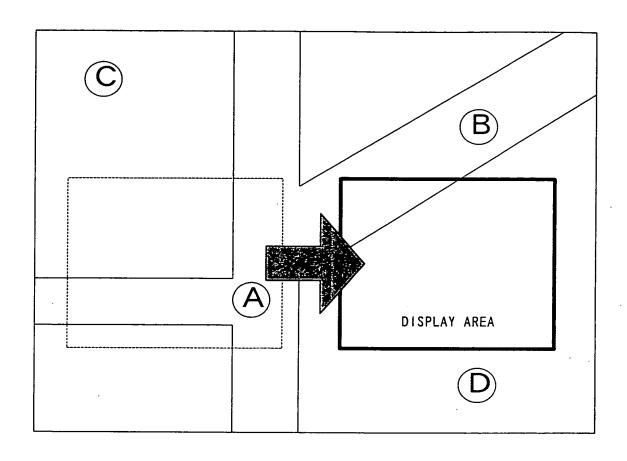


FIG. 13



VIRTUAL MAP

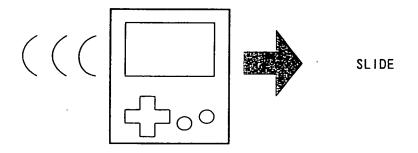


FIG. 14

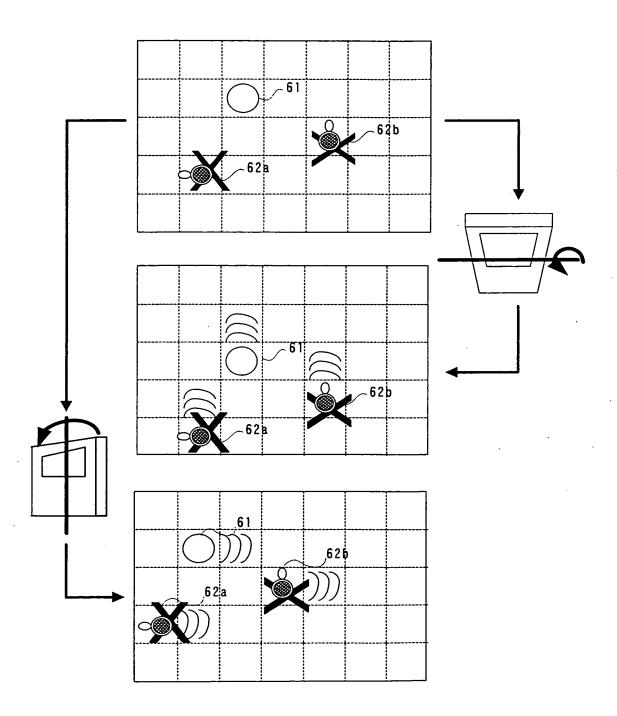
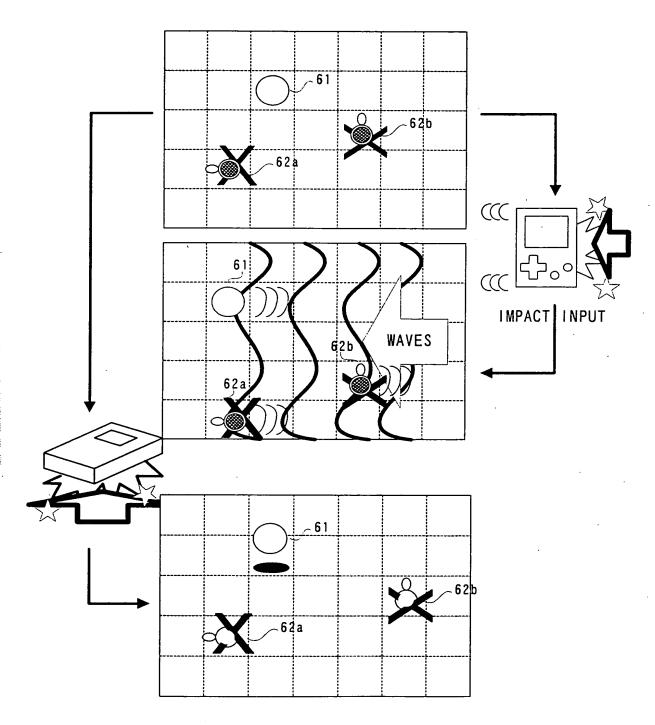
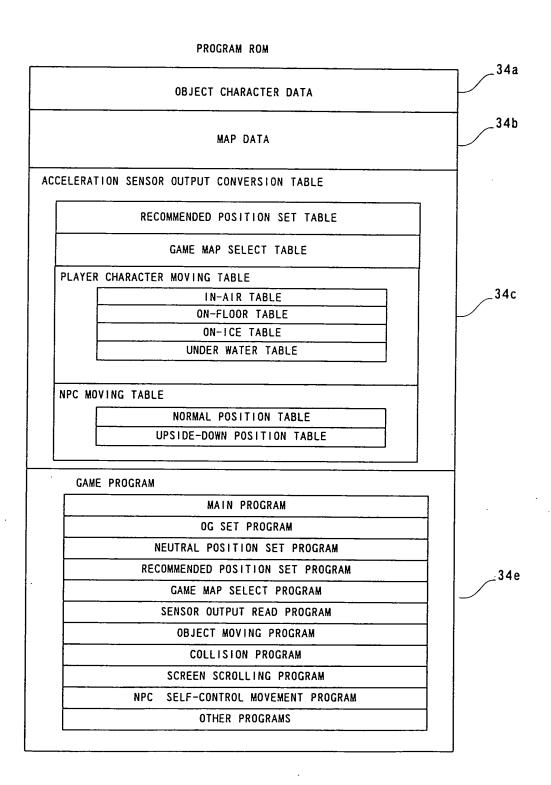


FIG. 15







WORK RAM	
NEUTRAL POSITION DATA	7
NEUTRAL POSITION DATA X (NPx)	26a
NEUTRAL POSITION DATA Y (NPy)	
NEUTRAL POSITION DATA Z (NPz)	
ACCELERATION SENSOR OUTPUT VALUES	٦
ACCELERATION SENSOR OUTPUT X (INx)	26b
ACCELERATION SENSOR OUTPUT Y (INy)	
Z-AXIS CONTACT SWITCH OUTPUT VALUE (IN z)	
IMPACT INPUT FLAG	26c
IMPACT INPUT FLAG (FS)	
CAMERA COORDINATES OF MAP SELECT SCENE	1
CAMERA X COORDINATE (C x)	26e
CAMERA Y COORDINATE (Cy)	
GAME MAP NUMBER	
GAME MAP NUMBER (M N)	26 f
GAME MAP NUMBER (IVIN)	
CHARACTER 1	4
X MOVING ACCELERATION (A x)	
Y MOVING ACCELERATION (A y)	
Z MOVING ACCELERATION (A z)	_26g1
X MOVING ACCELERATION CHANGE AMOUNT (d A x)	2081
Y MOVING ACCELERATION CHANGE AMOUNT (dAy) Z MOVING ACCELERATION CHANGE AMOUNT (dAz)	
Z MOTTING ACCELERATION CHANGE AMOUNT (d A Z)	
X VELOCITY (V x)	
Y VELOCITY (V y)	_
Z VELOCITY (V z)	
X COORDINATE (X)	
Y COORDINATE (Y)	
Z COORDINATE (Z)	
LAST-TIME X COORDINATE (Px)	
LAST-TIME X COORDINATE (Px) LAST-TIME Y COORDINATE (Py)	
LAST-TIME Z COORDINATE (Pz)	
CURRENT POSITION STATUS (SP)	
POSE NUMBER (PN)	
CHARACTER 2	26g1
CHARACTER 3	26g1
CHARACTER ·	26g ·
• • •	\vdash
	J

FIG. 18

DISPLAY RAM

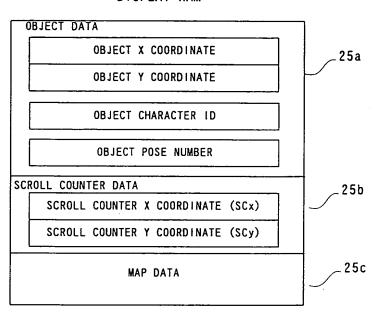


FIG. 19

BACKUP RAM

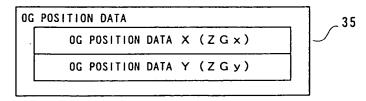


FIG. 20

GAME MAP SELECT PROCESSING TABLE

	UTILIZATION METHOD	CORRECTION RATIO	PATICULAR CORRECTION CONDITION 1	PATICULAR CORRECTION NUMBER 1	PATICULAR CORRECTION CONDITION 2	PATICULAR CORRECTION NUMBER 2
SENSOR OUTOUT VALUE X(INx)	CHANGE AMOUNT OF CAMERA X COORDINATE (Cx)	× 2	_	_	_	_
SENSOR OUTPUT VALUE Y(INY)	CHANGE AOUNT OF CAMERA Y COORDINATE (Cy)	× 2	_	_	_	_
Z-AXIS CONTACT SW OUTPUT VALUE (INz)	MAP DECISION	-	_	_	-	-
INPACT INPUT FLAG (FS)	-		-	_	_	-

FIG. 21

PLAYER CHARACTER MOVING TABLE (IN-AIR)

	117111717171					
	UTILIZATION	CORRECTION	PATICULAR	PATICULAT	PATICULAR	PATICULAR
	METHOD	RAT10	CORRECTION	CORRECTION	CORRECTION	CORRECTION
			CONDITION 1	NUMBER 1	CONDITION 2	NUMBER 2
SENSOR OUTOUT	- .	-	_	_	_	_
VALUE X(INx)						
SENSOR OUTPUT		_		-	_	_
VALUE Y(INy)						
Z-AXIS CONTACT	CHANGE AMOUNT	× 1	_	_	_	_
SW OUTPUT VALUE	OF Z MOVING					
(INZ)	ACCELERATION					
	(dAz)					
INPACT INPUT	_	_	_		_	_
FLAG (FS)						

FIG. 23

FIG. 22

PLAYER CHARACTER MOVING TABLE (ON-FLOOR)

	UTILIZATION METHOD	CORRECTION RATIO	PATICULAR CORRECTION CONDITION 1	PATICULAR CORRECTION NUMBER 1	PATICULAR CORRECTION CONDITION 2	PATICULAR CORRECTION NUMBER 2
SENSOR OUTOUT VALUE X(INx)	CHANGE AMOUNT OF X MOVING ACCELERATION (dax)	× 2	Inx>20	40	_	_
SENSOR OUTPUT VALUE Y(INY)	CHANGE AOUNT OF Y MOVING ACCELERATION (day)	× 2	Iny>20	40	_	-
Z-AXIS CONTACT SW OUTPUT VALUE (INz)	CHANGE AMOUNT OF Z MOVING ACCELERATION (dAz)	× 1	_	_	_	-
INPACT INPUT FLAG (FS)	CHANGE AMOUNT OF XY MOVING ACCELERATION (dAx, dAy)	× 3	-	_	_	_

PLAYER CHARACTER MOVING TABLE (ON-ICE)

	UTILIZATION METHOD	CORRECTION RATIO	PATICULAR CORRECTION CONDITION 1	PATICULAT CORRECTION NUMBER 1	PATICULAR CORRECTION CONDITION 2	PATICULAR CORRECTION NUMBER 2
SENSOR OUTOUT VALUE X(INx)	CHANGE AMOUNT OF X MOVING ACCELERATION (dax)	× 3	Inx>20	60	-	-
SENSOR OUTPUT VALUE Y(INY)	CHANGE AOUNT OF Y MOVING ACCELERATION (day)	× 3	Iny>20	60	_	_
Z-AXIS CONTACT SW OUTPUT VALUE (INz)	CHANGE AMOUNT OF Z MOVING ACCELERATION (dAz)	× 1	-	-	-	-
INPACT INPUT FLAG (FS)	CHANGE AMOUNT OF Z MOVING ACCELERATION (dAz)	× 5	_	_	-	_

FIG. 24

PLAYER CHARACTER MOVING TABLE (UNDER-WATER)

	UTILIZATION METHOD	CORRECTION RATIO	PATICULAR CORRECTION	PATICULAR CORRECTION	PATICULAR CORRECTION	PATICULAR CORRECTION
			CONDITION 1	NUMBER 1	CONDITION 2	NUMBER 2
SENSOR OUTOUT VALUE X(INx)	CHANGE AMOUNT OF X MOVING ACCELERATION (dax)	×1/2	Inx>20	60	_	_
SENSOR OUTPUT VALUE Y(INy)	CHANGE AOUNT OF Y MOVING ACCELERATION (dAy)	×1/2	Iny>20	60	_	_
Z-AXIS CONTACT SW OUTPUT VALUE (INZ)	CHANGE AMOUNT OF Z MOVING ACCELERATION (dAz)	X 1	_	_	-	_ :
INPACT INPUT FLAG (FS)	_		-	_	-	_

FIG. 25

NPC MOVING TABLE (FOR TORTOISE NORMAL POSITION)

	UTILIZATION METHOD	CORRECTION RATIO	PATICULAR CORRECTION CONDITION 1	PATICULAT CORRECTION NUMBER 1	PATICULAR CORRECTION CONDITION 2	PATICULAR CORRECTION NUMBER 2
SENSOR OUTOUT VALUE X(INx)	CHANGE AMOUNT OF X MOVING ACCELERATION (dAx)	×1/2	inx<10	0	Inx>20	10
SENSOR OUTPUT VALUE Y(INy)	CHANGE AOUNT OF Y MOVING ACCELERATION (dAy)	×1/2	Iny<10	0	Iny>20	10
Z-AXIS CONTACT SW OUTPUT VALUE (INz)	POSITION INVERSION	_	_	_	-	-
INPACT INPUT FLAG (FS)	_	_	-			_

FIG. 26

NPC MOVING TABLE (FOR TORTOISE UPSIDE-DOWN POSITION)

	UTILIZATION	CORRECTION	DATICULAD	DATICHLAT	DATICULAD	DATAGULA D
i			PATICULAR	PATICULAT	PATICULAR	PATICULAR
İ	METHOD	RATIO	CORRECTION	CORRECTION	CORRECTION	CORRECTION
			CONDITION 1	NUMBER 1	CONDITION 2	NUMBER 2
SENSOR OUTOUT	CHANGE AMOUNT	× 2	Inx>20	40	_	
VALUE X(INx)	OF X MOVING					
	ACCELERATION					
	(dAx)				,	
051/000 01/751/7						
SENSOR OUTPUT	CHANGE AOUNT	× 1	lny>20	40	-	_
VALUE Y(INy)	OF Y MOVING					·
	ACCELERATION					
	(dAy)					
Z-AXIS CONTACT	POSITION	_		_ :		
SW OUTPUT VALUE	INVERSION					
(INZ)						
INPACT INPUT	-	_	-		-	_
FLAG (FS)					1	

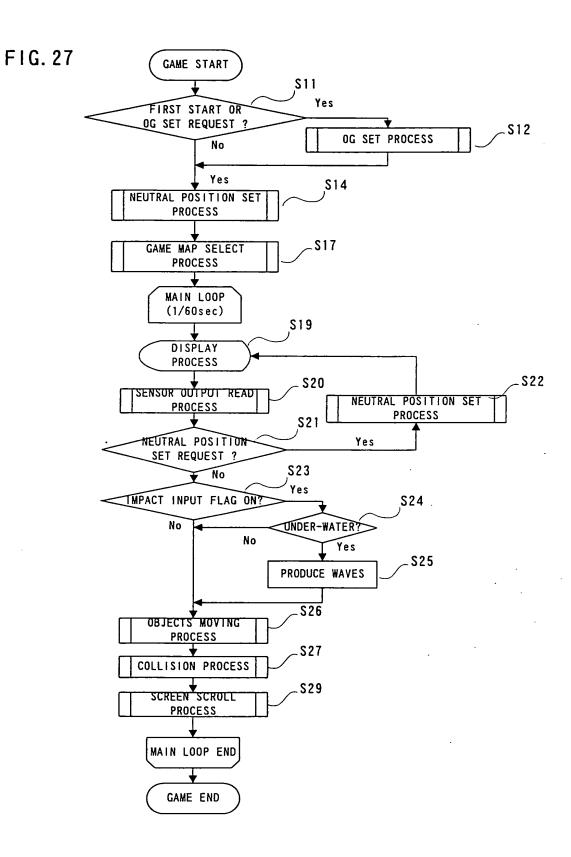


FIG. 28

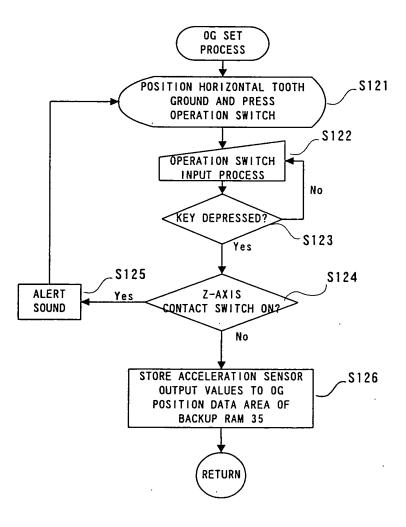
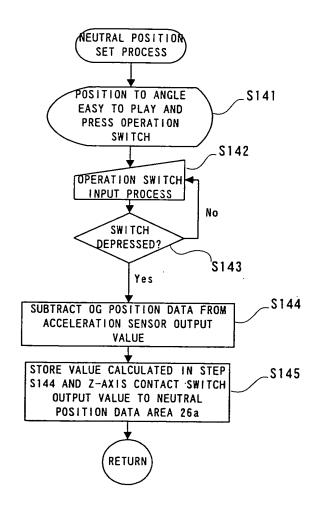


FIG. 29



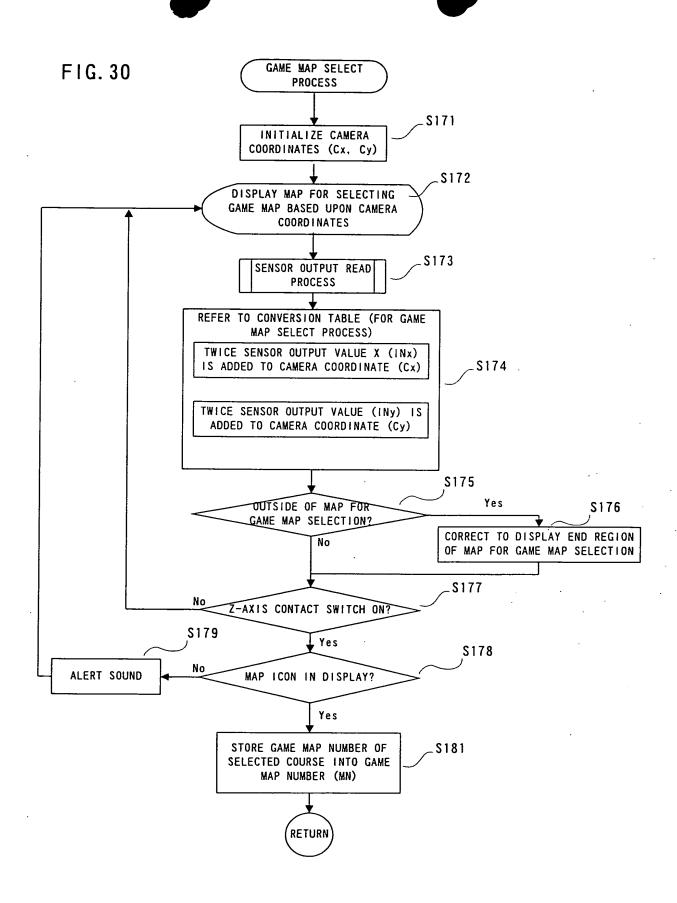


FIG. 31

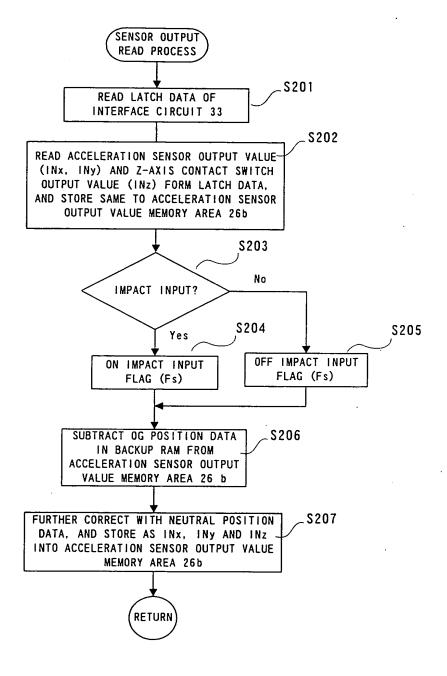
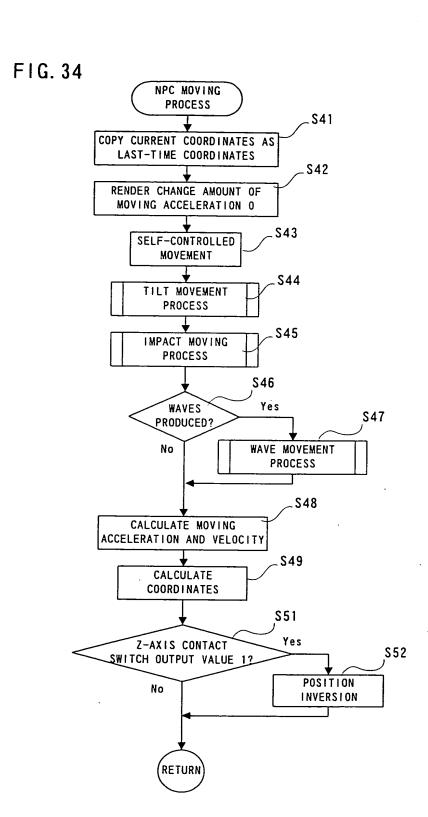
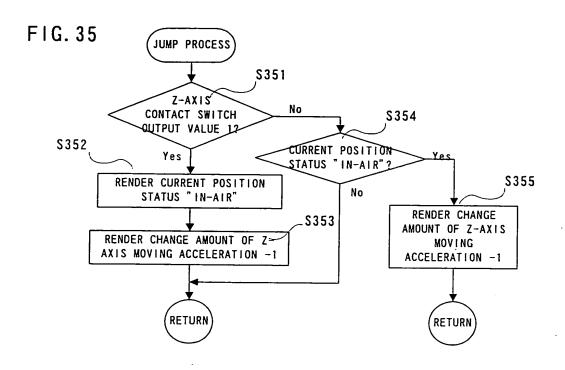
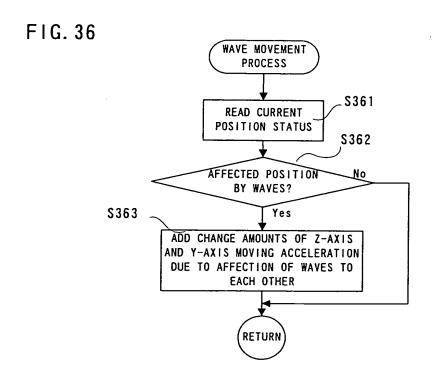


FIG. 32 FIG. 33 PLAYER CHARACTER OBJECT MOVING MOVING PROCESS **PROCESS** S31 _ S261 COPY CURRENT COORDINATES PLAYER CHARACTER AS LAST-TIME COORDINATES MOVING PROCESS S32 RENDER CHANGE AMOUNT OF NPC PROCESS MOVING ACCELERATION O LOOP \$33 **S262** TILT MOVEMENT NPC MOVING **PROCESS PROCESS** \$34 IMPACT MOVEMENT NPC PROCESS **PROCESS** LOOP END \$35 JUMP PROCESS RETURN **S36** WAVES Yes \$37 PRODUCED? No WAVE MOVEMENT **PROCESS** \$38 CALCULATE MOVING ACCELERATION AND VELOCITY \$39 CALCULATE COORDINATES RETURN







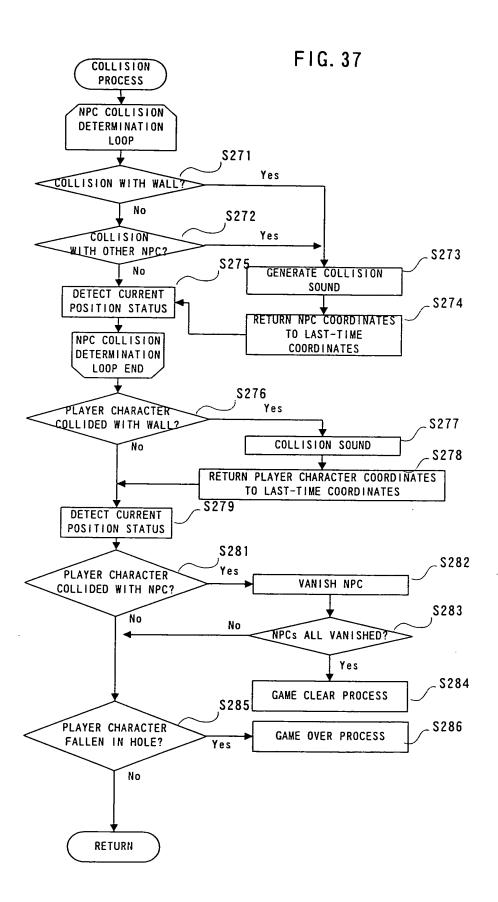


FIG. 38

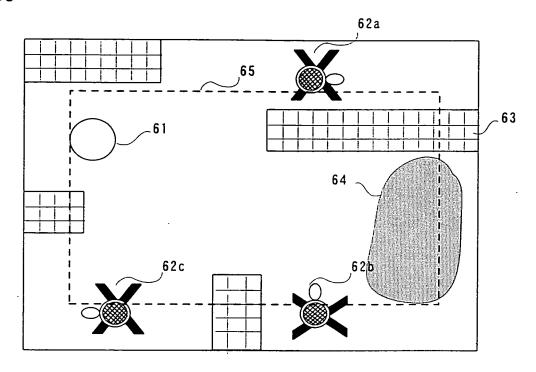
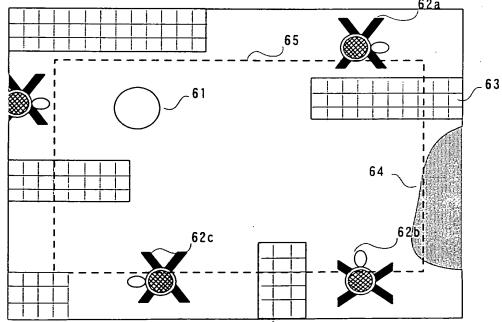


FIG. 39



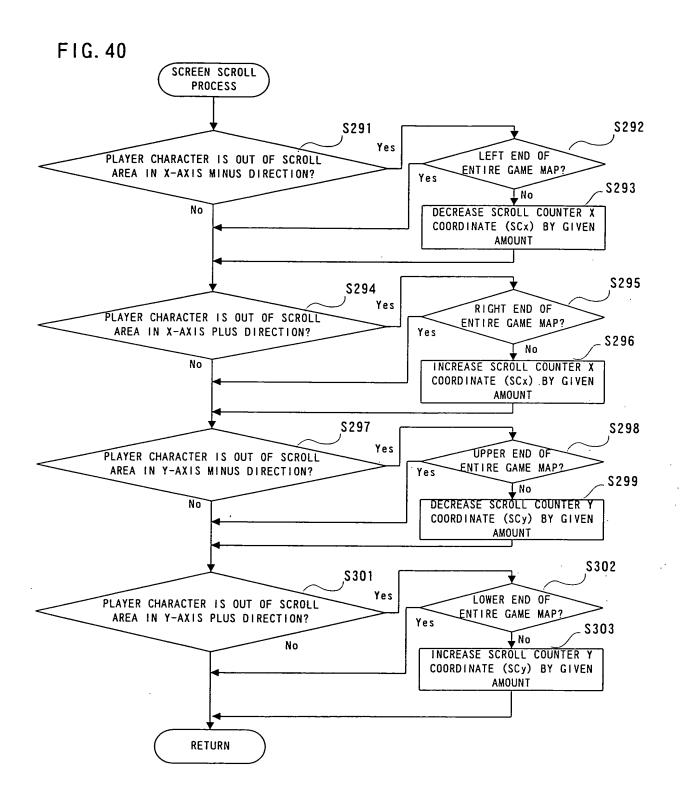
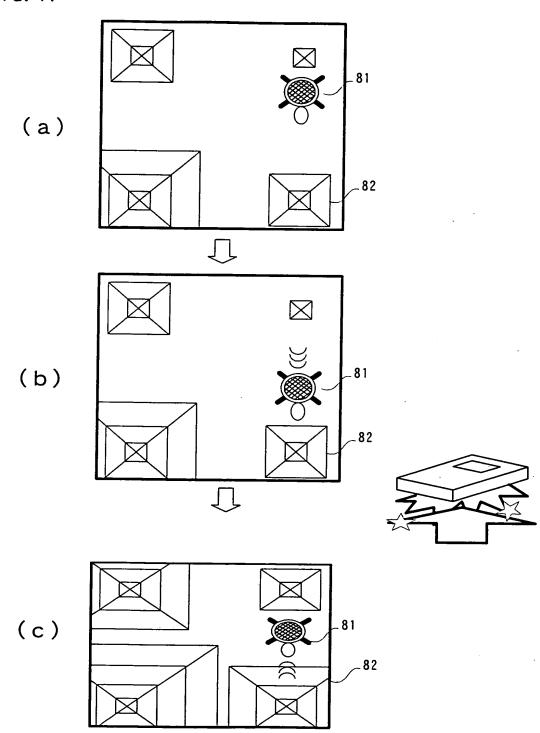


FIG. 41



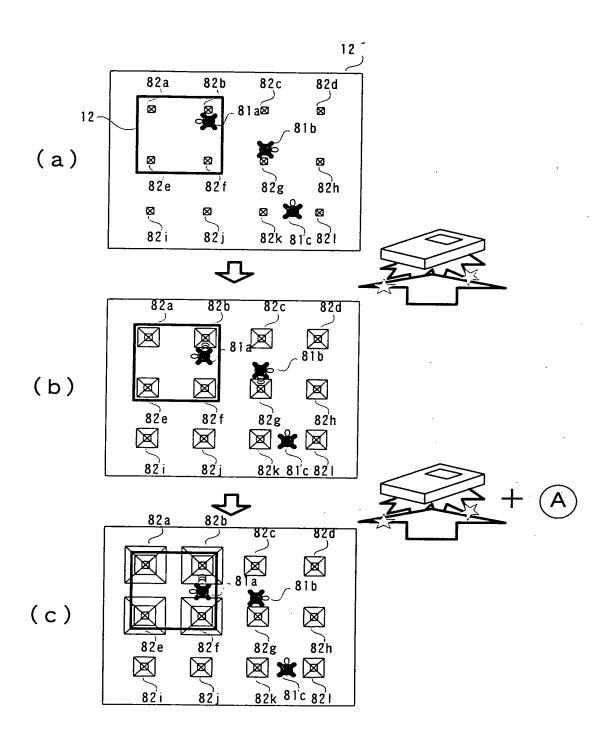


FIG. 43

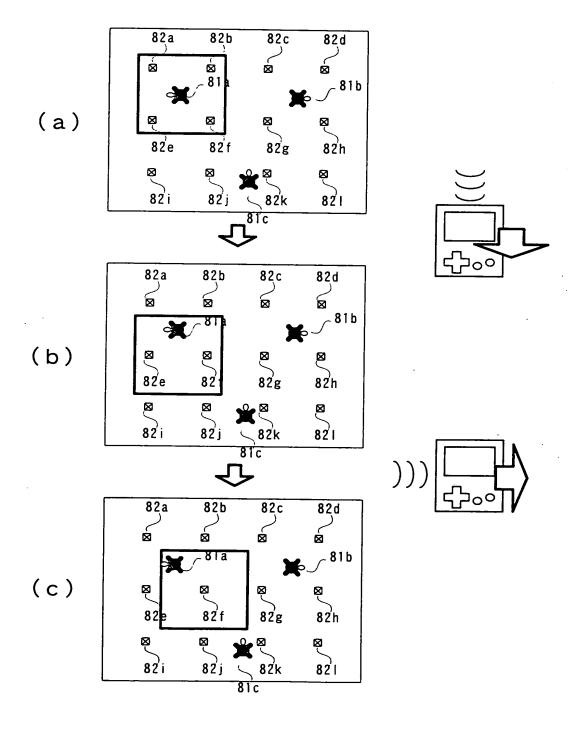


FIG. 44

(a)

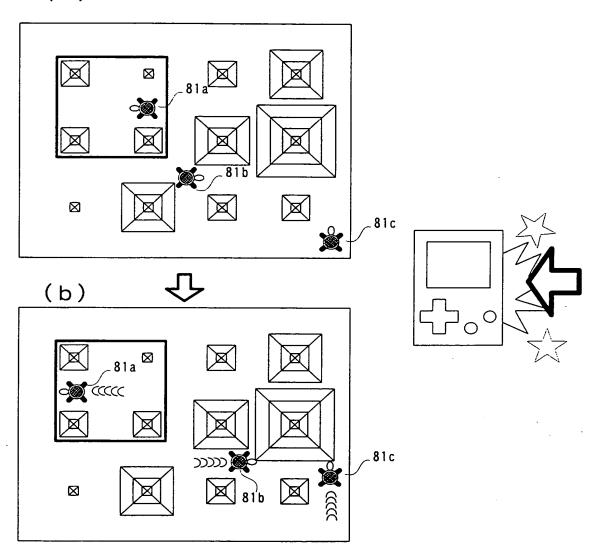


FIG. 45

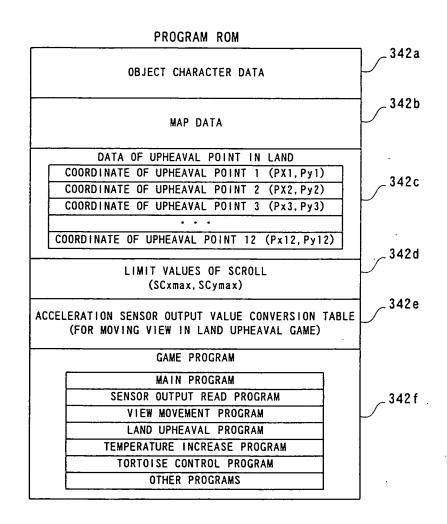


FIG. 46

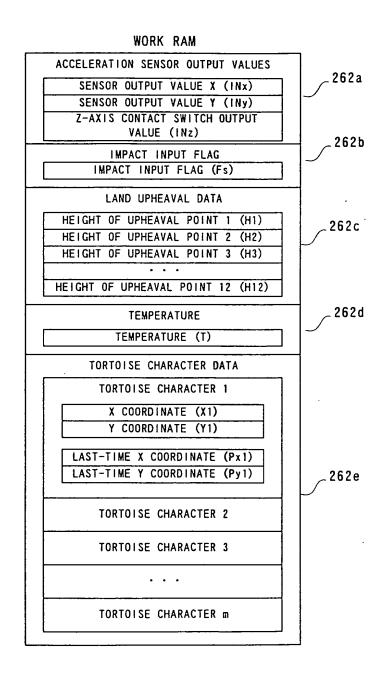
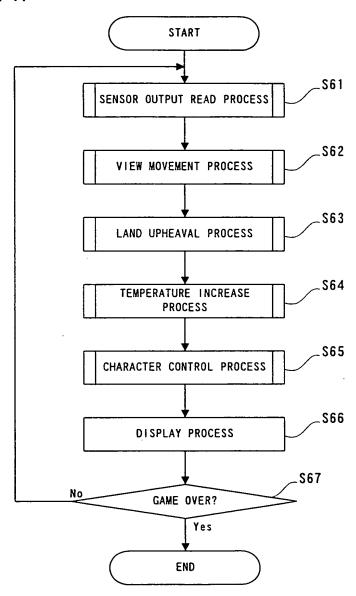


FIG. 47



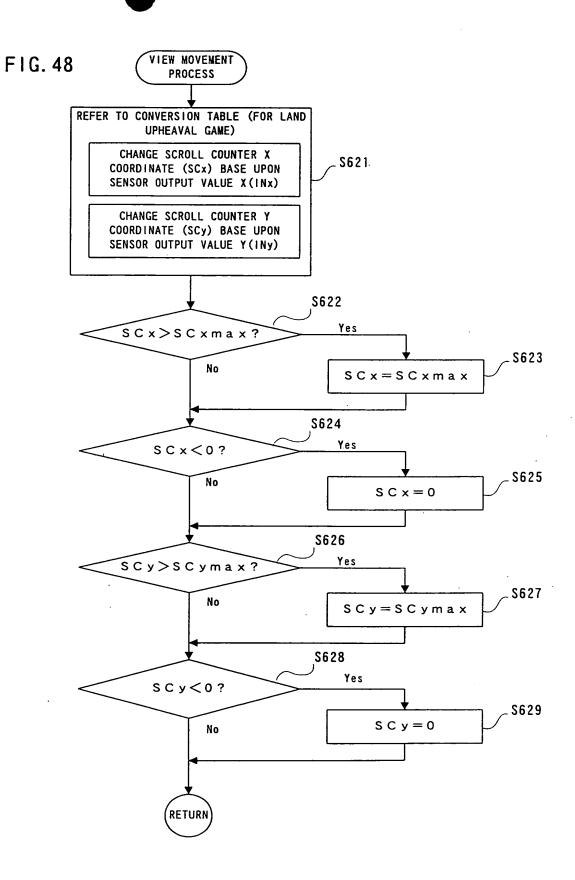


FIG. 49

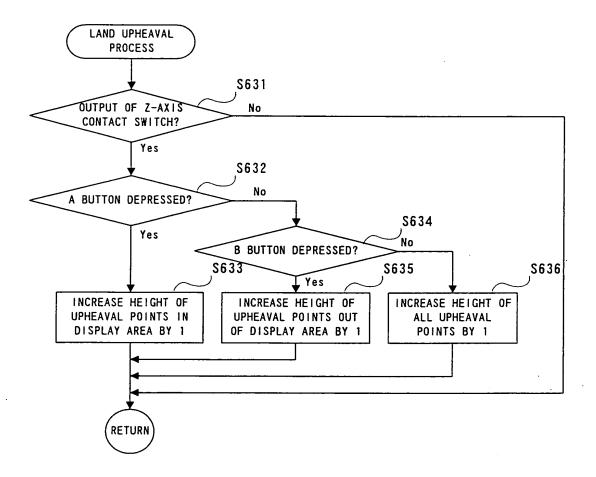


FIG. 50

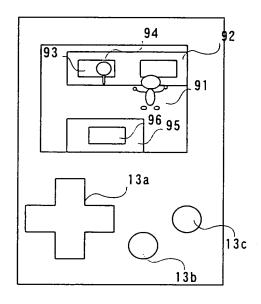


FIG. 51

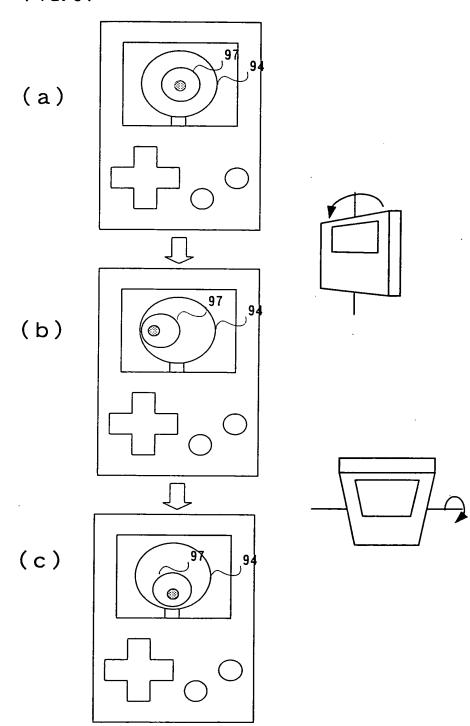


FIG. 52

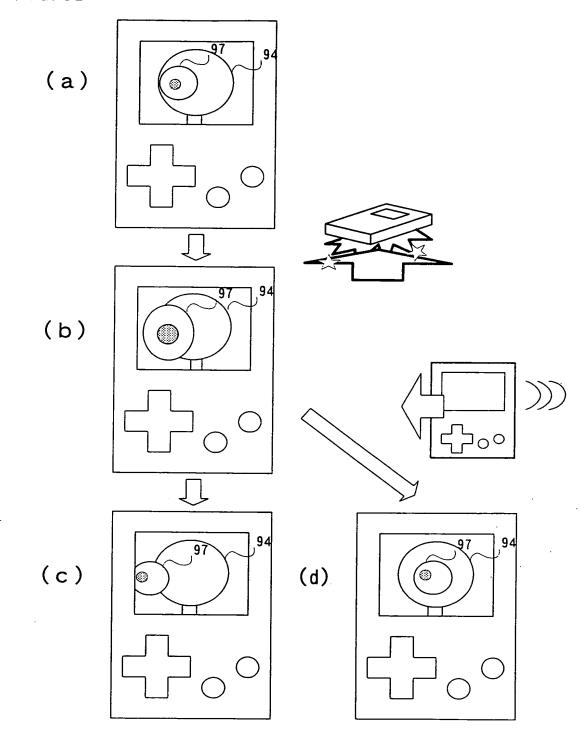


FIG. 53

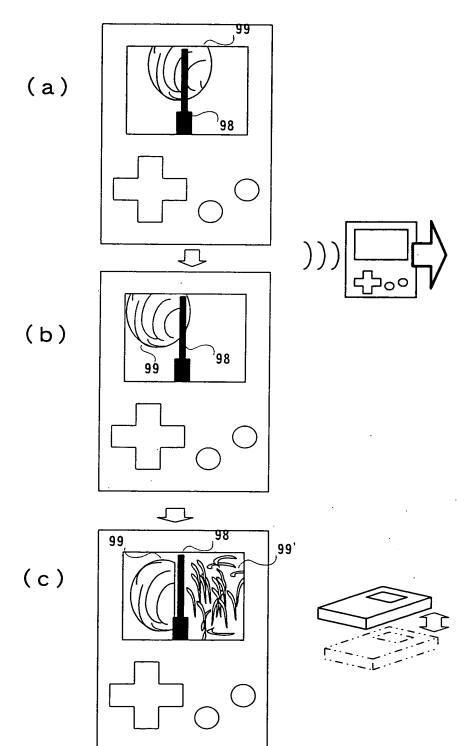
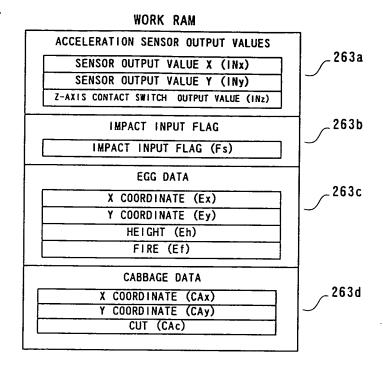


FIG. 54



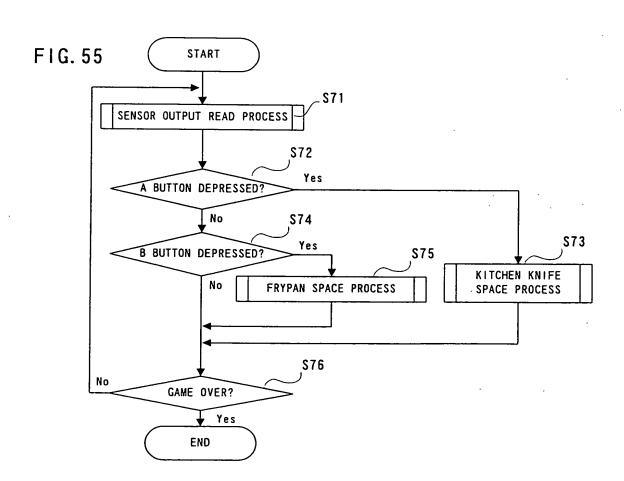


FIG. 56

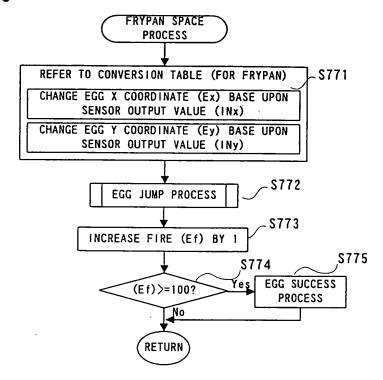
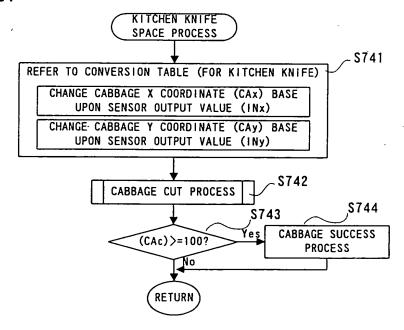


FIG. 57



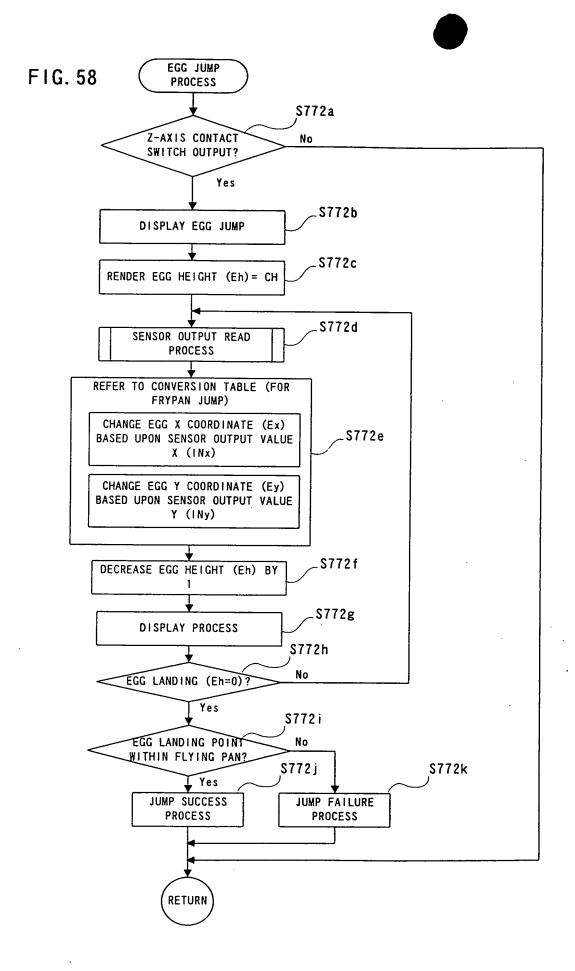


FIG. 59

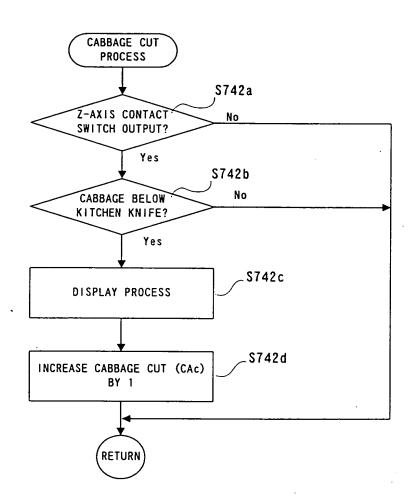


FIG. 60

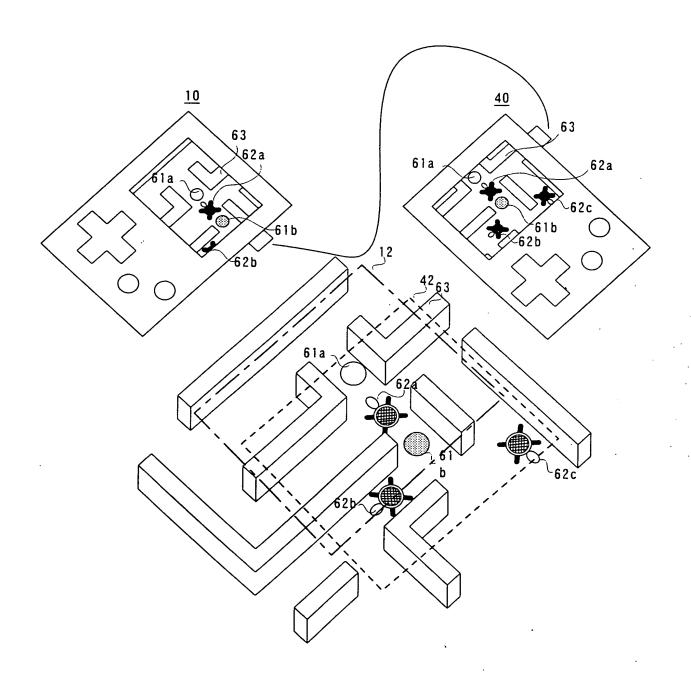


FIG. 61

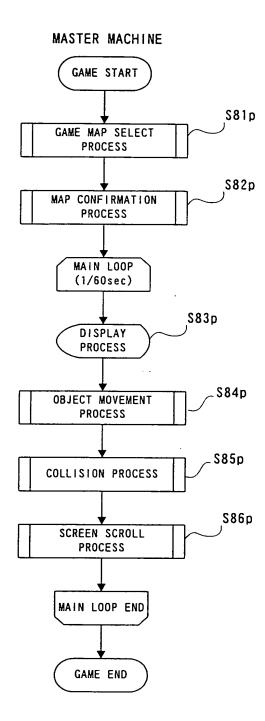


FIG. 62 GA

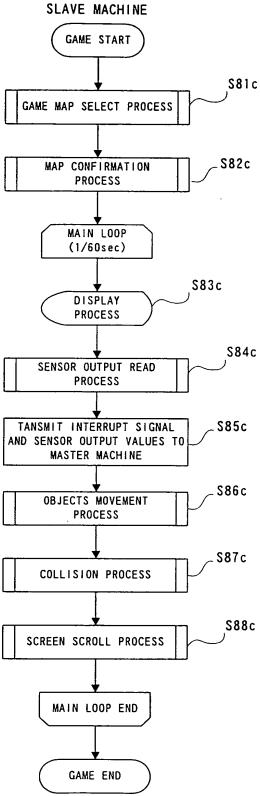


FIG. 63

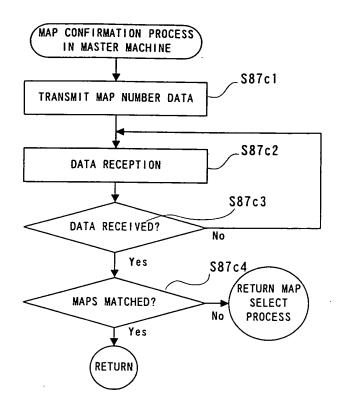


FIG. 64

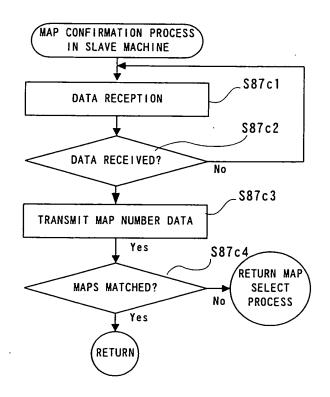


FIG. 65

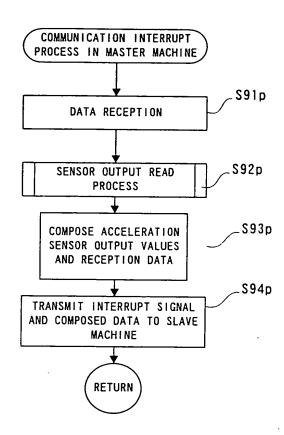


FIG. 66

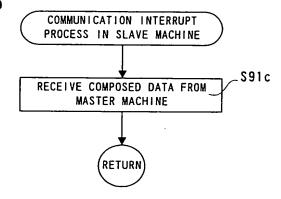


FIG. 67

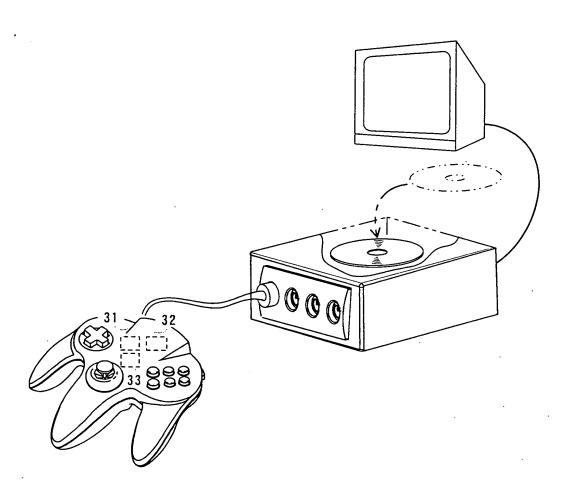


FIG. 68

